

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): James E. McCormick, Jr., et al.

Confirmation No.:

Application No.:

Examiner:

Filing Date: 10/21/2003

Group Art Unit:

Title: ROUTING OF WIRES CARRYING SINGLE-SYLLABLE IP-RELATIVE BRANCH  
INSTRUCTIONS AND LONG IP-RELATIVE BRANCH INSTRUCTIONS

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before  
mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Statement under 37 CFR 1.97(e)(1) or (2), and  
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00 . At any time during the  
pendency of this application, please charge any fees required or credit any overpayment to Deposit  
Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with  
any required copies of patents, publications or other information of which applicant(s) are aware, which  
applicant(s) believe(s) may be material to the examination of this application and for which there may be  
a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications  
and other foreign language information listed on PTO Form 1449, as presently understood by the  
individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the  
attached sheet, or where a foreign language patent is cited in a search report or other action by a  
foreign patent office in a counterpart foreign application, an English language version of the search  
report or action which indicates the degree of relevance found by the foreign office is listed on form PTO  
1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. EL 964691864 US

Date of Deposit 10/21/2003

I hereby certify that this is being deposited with the  
United States Postal Service "Express Mail Post  
Office to Addressee" service under 37 CFR 1.10 on  
the date indicated above and is addressed to:  
Commissioner for Patents, Alexandria, VA  
22313-1450.

By

Typed Name: Gregory W. Osterloth

Respectfully submitted,

James E. McCormick, Jr., et al.

By

Gregory W. Osterloth

Attorney/Agent for Applicant(s)  
Reg. No. 36,232

Date: 10/21/2003

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	<b>10982165-2</b>		
	APPLICANT <b>James E. McCormick, Jr., et al.</b>		
	FILING DATE	GROUP	
	<b>10/21/2003</b>		

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	5,859,999	01/12/1999	Morris et al.	
	1B	5,860,017	01/12/1999	Sharangpani et al.	
	1C	5,922,065	07/13/1999	Hull et al.	
	1D	6,237,077	05/2001	Sharangpani et al.	
	1E	4,794,517	12/1998	Jones et al.	
	1F	4,935,867	06/1990	Wang et al.	
	1G	5,515,518	05/1996	Stiles et al.	
	1H	5,822,575	10/1998	Tran, Thang M.	
	1I	5,590,358	12/1996	Mizrahi-Shalom et al	
	1J	6,253,305	06/2001	Matsuzaki et al.	
	1K	4,530,050	07/1985	Fukunaga et al.	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	"Patents shed light on Merced" by Alexander Wolfe, Electronic Engineering Times, February 15, 1999, pages 43 and 44
	1R	"Trading Conflict and Capacity Aliasing in Conditional Branch Predictors" by Michaud, et al., Proceedings of the 24th Annual International Symposium on Computer Architecture, 1997, 9 pages
	1S	"Alternative Implementations of Two-Level Adaptive Branch Prediction", by Tse-Yu Yeh, et al., Department of Electrical Engineering and Computer Science, University of Michigan, July 1992, pages 124-134

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A	5,761,470	06/1998	Yoshida, Toyohiko	
	2B	6,202,144	03/2001	Ben-Ephraim et al.	
	2C				
	2D				
	2E				
	2F				
	2G				
	2H				
	2I				
	2J				
	2K				

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	2L					
	2M					
	2N					
	2O					
	2P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	Internet Publication "The Alpha 21264 Microprocessor: Out-of-Order Execution at 600 Mhz" by R. E. Kessler, August 1998, pages 1-30
	2R	"Instrumentation and Optimization of Win32/Intel Executables Using Etch", by Romer et al., University of Washington, 8 pages
	2S	"Intel's 1A-64 Application Developer's Architecture Guide" (Rev 1.0, Order Number 245188-001, May 1999)

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	3L					
	3M					
	3N					
	3O					
	3P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

3Q	"Fine-Grained Dynamic Instrumentation of Commodity Operating System Kernels" by Tamches, et al., Computer Sciences Department, University of Wisconsin (7 pages 2-sided)
3R	"The Paradyne Parallel Performance Measurement Tools" by Miller, et al., Computer sciences Department of University of Wisconsin, pages 1-23
3S	Mississippi College, CSC 110 - Computer Mathematics, December 1998, <a href="http://www.mc.edu/courses/csc/110 module3_2.html">http://www.mc.edu/courses/csc/110 module3_2.html</a>

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